

ABSTRACT

A method for mapping a heart comprises the steps of inserting a mapping catheter having an ultrasonic position sensor into the heart. At least one reference catheter having an ultrasonic position sensor is also inserted into the heart. The position of the mapping catheter is determined relative to the at least one reference catheter and a portion of the heart is mapped with the mapping catheter. Additionally, the at least one reference catheter may be provided outside of the heart.